EXHIBIT A

BJ Service Company v. Halliburton Energy Services

[Please see attached 7 pages].

EXHIBIT B

Avanti Polar Lipids Listing of Phosphatidylcholine Products

[Please see attached 5 pages]



700 Industrial Park Drive Alabaster, AL 35007 1-800-227-0651 or 205-663-2494 Fax 1-800-229-1004 or 205-663-0756 Orders: orders@avantilipids.com

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The Phospholipid and Sphingolipid People

| Market | Color | C

Synthetic Products

Phosphatidylcholine

Purity >99%

Typical Phosphatidylcholine Structure

©Avanti Polar Lipids

1,2-Dimyristoyl-sn-Glycero-3-Phosphocholine

Specifications for Phosphatidylcholine

Physical Examination

Powder:

White solid which contains no foreign matter and no more than a faint odor.

Organic Solution: Clear, colorless solution which contains no foreign matter.

Identification

GC:

The retention time of the principal peak of the sample chromatogram agrees

with that of the chromatogram for the reference standard.

TLC:

The R_f value and general appearance of the principal peak of the sample

chromato- gram agrees with that of the reference standard.

HPLC:

The retention time of the principal peak of the sample chromatogram for the

refer- ence standard.

FTIR:

The infrared absorption spectrum of the sample exhibits maxima only at the

same wavelengths as that of the standard between the regions of 4000-500

 cm^{-1} .

UV/Visible:

The UV/Visible absorption spectrum of the sample exhibits maxima only at

the same wavelengths as that of the standard between the regions of 190-820

nm.

Chromatographic Purity

GC:

Not less than 99.0% (AUC).

HPLC:

Not less than 99.0% (AUC).

Specifications

TLC:

One phosphorus positive spot

GC:

Conforms to appropriate standard

HPLC:

>99% diacyl compound

Solubility

Short Chain Saturated (C3-C8)

Soluble:

Chloroform, Water

Insoluble:

Acetone

Long Chain Saturated (C9-C24)

Soluble:

Chloroform, Toluene, Methanol, Ethanol

Insoluble:

Acetone, Water

Long Chain Unsaturated (C14-C24)

Soluble:

Chloroform, Toluene, Methanol, Ethanol

Insoluble:

Acetone, Water

Stability

Storage:

-20°C

Shelf Life:

3 months - Polyene

~ 6 months - Monoene

~ 12 months - Saturated

Description:

The list of Phosphatidylcholine products offered by *Avanti* is designed to provide compounds having a variety of physical properties. Products available include short chain (C3-C8 are water soluble and hygroscopic), saturated, multi-unsaturated and mixed acid PC's.

All of the products are purified by HPLC, and special precautions are taken to protect the products for oxidization and hydrolysis. Several of these products are manufactured under cGMP guidelines and are available for pharmaceutical use. If you have a requirement for a choline derivative not found on our list,

please call us: custom synthesis is one of our specialties.

Notes

Due to the high transition temperatures of the saturated products, it may be necessary to heat the solvent to solubilize the compound. Also, a small amount of methanol (0.1%) and water (0.05%) may be needed to hydrate the compound.

Phosphatidylcholine (Asymmetric Fatty Acid)

1-Acyl-2-Acyl-sn-Glycero-3-Phosphocholine

Carbon Number	1-Acyl	2-Acyl	M.W.	Catalog Number	
14:0-16:0	Myristoyl	Palmitoyl	706.00	850445	Product Data
14:0-18:0	Myristoyl	Stearoyl	734.05	850446	Product Data
16:0-14:0	Palmitoyl	Myristoyl	706.00	850454	Product Data
16:0-18:0	Palmitoyl	Stearoyl	762.10	850456	Product Data

16:0-18:1	Palmitoyl	Oleoyl	760.09	850457	Product Data
16:0-18:2	Palmitoyl	Linoleoyl	758.07	850458	Product Data
16:0-20:4	Palmitoyl	Arachidonoyl	782.09	850459	Product Data
16:0-22:6	Palmitoyl	Docosahexaenoyl	806.12	850461	Product Data
18:0-14:0	Stearoyl	Myristoyl	734.05	850464	Product Data
18:0-16:0	Stearoyl	Palmitoyl	762.10	850465	Product Data
18:0-18:1	Stearoyl	Oleoyl	788.14	850467	Product Data
18:0-18:2	Stearoyl	Linoleoyl	786.13	850468	Product Data
18:0-20:4	Stearoyl	Arachidonoyl	810.15	850469	Product Data
18:0-22:6	Stearoyl	Docosahexaenoyl	834.17	850472	Product Data
18:1-14:0	Oleoyl	Myristoyl	732.03	850474	Product Data
18:1-16:0	Oleoyl	Palmitoyl	760.09	850475	Product Data
18:1-18:0	Oleoyl	Stearoyl	788.14	850476	Product Data

^{*}Specify Chloroform or Powder on the above products

Phosphatidylcholine (Symmetric Fatty Acid) 1,2-Diacyl-sn-Glycero-3-Phosphocholine (Saturated Series)

Carbon Number	Trivial	IUPAC	M.W.	Catalog Number	0
3:0	Propionoyl	Trianoic	369.35	850302	Product Data
4:0	Butanoyl	Tetranoic	397.41	850303	Product Data
5:0	Pentanoyl	Pentanoic	425.46	850304	Product Data
6:0	Caproyl	Hexanoic	453.51	850305	Product Data
7:0	Heptanoyl	Heptanoic	481.57	850306†	Product Data
8:0	Capryloyl	Octanoic	509.62	850315	Product Data
9:0	Nonanoyl	Nonanoic	537.67	850320	Product Data
10:0	Capryl	Decanoic	565.73	850325	Product Data
11:0	Undecanoyl	Undecanoic	593.78	850330	Product Data
12:0	Lauroyl	Dodecanoic	621.84	850335	Product Data
13:0	Tridecanoyl	Tridecanoic	649.89	850340	Product Data
14:0	Myristoyl	Tetradecanoic	677.94	850345	Product Data

15:0	Pentadecanoyl	Pentadecanoic	706.00	850350	Product Data
16:0	Palmitoyl	Hexadecanoic	734.05	850355	Product Data
16:0 [(CH ₃) ₄]	Phytanoyl	3,7,11,15-tetra methylhexadecanoic	846.27	850356‡	Product Data
17:0	Heptadecanoyl	Heptadecanoic	762.10	850360	Product Data
18:0	Stearoyl	Octadecanoic	790.16	850365	Product Data
19:0	Nonadecanoyl	Nonadecanoic	818.21	850367	Product Data
20:0	Arachidoyl	Eicosanoic	846.27	850368	Product Data
21:0	Heniecosanoyl	Heneicosanoic	874.32	850370	Product Data
22:0	Behenoyl	Docosanoic	902.37	850371	Product Data
23:0	Trucisanoyl	Trocosanoic	930.43	850372	Product Data
24:0	Lignoceroyl	Tetracosanoic	958.48	850373	Product Data

^{*}Specify Chloroform or Powder on the above products

Phosphatidylcholine (Symmetric Fatty Acid)

1,2-Diacyl-sn-Glycero-3-Phosphocholine

(Unsaturated Series)

Carbon Number	Trivial	IUPAC	M.W.	Catalog Number	
14:1	Myristoleoyl	9-cis-tetradecenoic	673.91	850346	Product Data
14:1	Myristelaidoyl	9-trans-tetradecenoic	673.91	85t346	Product Data
16:1	Palmitoleoyl	9-cis-hexadecenoic	730.02	850358	Product Data
16:1	Palmitelaidoyl	9-trans-hexadecenoic	730.02	85t358	Product Data
18:1	Petroselinoyl	6-cis-octadecenoic	786.13	850374	Product Data
18:1	Oleoyl	9-cis-octadecenoic	786.13	850375	Product Data
18:1	Elaidoyl	9-trans-octadecenoic	786.13	85t375	Product Data
18:2	Linoleoyl	9-cis-12-cis- octadecadienoic	782.09	850385	Product Data
18:3	Linolenoyl	9-cis-12-cis-15- cisoctadecatrienoic	778.06	850395	Product Data
20:1	Eicosenoyl	11-cis-eicosenoic	842.23	850396	Product Data
20:4	Arachidonoyl	5,8,11,14(all -cis) eicosatetraenoic	830.14	850397	Product Data

22:1	Erucoyl	13-cis-docosenoic	898.34	850398	Product Data
22:6	DHA	4,7,10,13,16,19 (all -cis) docosahexaenoic	878.18	850400	Product Data
24:1	Nervonoyl	15-cis-tetracosenoic	954.45	850399	Product Data

^{*}Specify Chloroform or Powder on the above products

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